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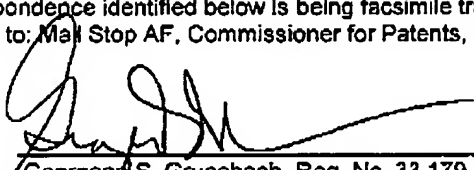


Attention:	MAIL STOP AF Group Art Unit: 2611 Examiner: BAYARD, Emmanuel	Fax:	(571) 273-8300
UNITED STATES PATENT AND TRADEMARK OFFICE		Phone:	(571) 272-3016
Pages:	Cover + 2 + 2 + 1 = 6	Date:	December 4, 2006
From:	Georgann S. Grunebach Assistant General Counsel	Fax:	(310) 964-0941
		Phone:	(310) 964-4615

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 Georgann S. Grunebach, Reg. No. 33,179
 Telephone No. (310) 964-4615 (Printed Name of Person Signing Certificate)

December 4, 2006
 (Date of Signature)

Attention: Commissioner for Patents

Attorney Docket No. PD-202129

Please find attached Re:

Serial No.: 10/691,133

Filing Date: 10-22-2003

- SUPPLEMENTAL DISCLOSURE STATEMENT (2 pages in duplicate)
- SUBSTITUTE FORM PTO 1449 (1 page)

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If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

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Patent
PD-202129
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest Chen et al.

Serial No.: 10/691,133
Filed: October 22, 2003For: EQUALIZERS FOR LAYERED
MODULATED AND OTHER
SIGNALSGroup Art Unit: 2611
Examiner: BAYARD, Emmanuel: I hereby certify that this correspondence is
: being facsimile transmitted to (571) 273-8300
: (Centralized Facsimile Number) and
: addressed to:: Mail Stop AF, Commissioner for
: Patents, P. O. Box 1450, Alexandria, VA
: 22313-1450, on the date below.: 
: Georgann S. Grunebach

: Typed or printed name of person signing certificate

: Date: December 4, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The references were cited in a Notice of Allowance dated November 21, 2006 in related U.S. patent application serial number 10/532,509 filed April 25, 2005.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

DEC 04 2006

Serial No. 10/691,133.....Page 2

Certification Under 37 C.F.R. §1.97(e)

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(2)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By: 

Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

December 4, 2006

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Serial No. 10/691,133.....Page 2

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P. O. Box 956
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Telephone No. (310) 964-4615

December 4, 2006

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known		
	Application Number	10/691,133	
	Filing Date	October 22, 2003	
	First Named Inventor	Ernest C. Chen	
	Art Unit	2611	
Date:	December 4, 2006	Examiner Name	BAYARD, Emmanuel
Sheet 1 of 1	Attorney Docket Number		PD-202129

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,369,648	04-2002	Kirkman, George F.	
		US-6,477,398	11-2002	Mills, Randell L.	
		US-3,076,180	01-1963	Havens et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.